84738

S/055/60/000/004/005/007XX C111/C222

On Non-Homogeneous Equations of Infinite Order in a Generalized Derivative

Theorem 3: Let $\phi(z) = \sum_{k=0}^{\infty} k^{2^k}$ be an entire function of finite order 30 and of normal type \mathfrak{S}_0 . If $\mathfrak{S}_0 > \mathfrak{S}$, then there exists a particular solution of (11) being an entire function the order of which is not greater than \mathfrak{S}_0 ; if $\mathfrak{S}_0 \leq \mathfrak{S}$, then there exists a solution with the order $\leq \mathfrak{S}$.

Theorem 3': Let $\phi(z) = \sum_{k=0}^{\infty} k^{2^k}$ be an entire function of the order c0 and of maximal type. If then c0 > 9, then to every c0 there exists a solution y(z) of (11) so that

$$|y(z)| < e^{|z|}$$
 $g_0 + \varepsilon$, $|z| > r_0$;

but if $g_0 \le g$, then there exists a solution y(z) so that

Card 4/5

84738

S/055/60/000/004/005/007XX C111/C222

On Non-Homogeneous Equations of Infinite Order in a Generalized Derivative

$$|y(z)| < e^{|z|^{3+\varepsilon}}, |z| > r_0.$$

The author thanks A.O.Gel'fond and A.F. Leont'yev. There are 5 references: 4 Soviet and 1 Swiss.

ASSOCIATION: Kafedra teorii chisel (Chair of Number Theory)
SUBMITTED: July 3, 1959



一人可能於主義。精過觀測語

Card 5/5

S/193/60/000/006/008/015 A004/A001

9,5140 (also 3702)

TITLE:

The Models TN -1 (TP-1) and TN-2 (TP-2) Semiconductor Microcoolers

PERIODICAL:

Byulleten' tekhniko-ekonomicheskoy informatsii, 1960, No. 6, pp.

35 - 36

TEXT: The Leningrad Pilot Plant and Special Design and Technology Office for Semiconductor and Ultrasonic Instruments of the Leningrad Sovnarkhoz in cooperation with the Institut poluprovodnikov AN SSSR (Institute of Semiconductors of the AS USSR) developed in 1959 an industrial type TP-1 and TP-2 semiconductor microcoolers intended to reduce the temperature of units of radioelectronic equipment, e.g. germanium crystal rectifiers, photovaristors, inductances, capacitances etc. The operation principle of the devices is identical and based on the utilization of the Feltier effect in semiconductors. The TP-1 device consists of two aluminum cylinders insulated from one another by a foam-plastic bushing. The main part of the cooler is the thermoelectric semiconductor battery composed of 36 hole and electron semiconductors connected in series and filled with the $3\overline{4}$ -6 (ED-6) epoxy resin. The thermobattery has two lead-outs for connecting it to the supply Card 1/2

S/193/60/000/006/008/015 A004/A001

The Models III -1 (TP-1) and III -2 (TP-2) Semiconductor Microcoolers

source. As a result of current passing through the battery, one side of it is heated, the other cooled. The device has a base plate through which the heat is led off into the chassis. The TP-2 cooler is somewhat different from the TP-1 model, above all it is bigger. Besides, the lower part of the outer cylinder has, apart from the two supply lead-outs, another ten lead-outs to connect the device placed in the interior of the cooler. In the interior of the cooler cells can be placed the total power output of which does not exceed 3 - 5 w. The microcoolers ensure a temperature drop of 23-25°C in a temperature range of the surrounding medium from -20 to +50°C, at a relative humidity of 98% and an atmospheric pressure of 760 - 600 mm Hg. The coolers are supplied from a d-c source of 8 - 12 amp and 1.0 - 1.5 v. The required power is 8 - 18 w. The internal holding capacity of the TP-1 cooler amounts to 75 cm², that of the TP-2 is 100 cm². The overall dimensions are 80 x 80 x 120 mm and 86 x 100 x 100 mm respectively, while the TP-1 cooler weighs 0.39 kg and the TP-2 cooler 0.4 kg. There are 2 figures.

Card 2/2

16,6500 AUTHOR: Frolov, Yu. N. · TITLE: On the solution of an equation of infinite order with respect to generalised derivatives Referativnyy zhurnal, Matematika, no. 7, 1962, 38, PERIODICAL: abstract 7B189. ("Tr. Matom. in-ta . ANSSSR", 1961, 64, 294-315) Let F(z) be a entire function of the finite order \vee , and TEXT: let DⁿF be its generalised derivative of the order n (Matem. sb., 1951, 29, (71): 3, 477-500), which is generated by an entire function of the order 9. In the mentioned paper A. O. Gel'fond and A. F. Leont'yev investigated the equation (1) $\sum_{n=0}^{\infty} c_n D^n F, \text{ where against the characteristic function}$ $c_n z^n$ is entire of the order $\beta_1 \leq \beta$. Thereby the integral Card 1/2

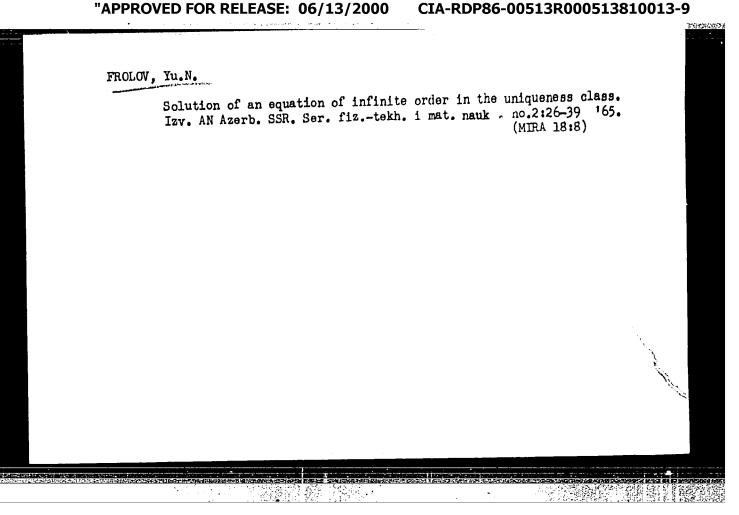
Card 2/2

FROLOV, Yu.N.

Solution of an equation of infinite order in the uniqueness class.
Dokl. AN SSSR 161 no.4:783-784. Ap '65. (MIRA 18:5)

1. Submitted November 3, 1964.

"APPROVED FOR RELEASE: 06/13/2000

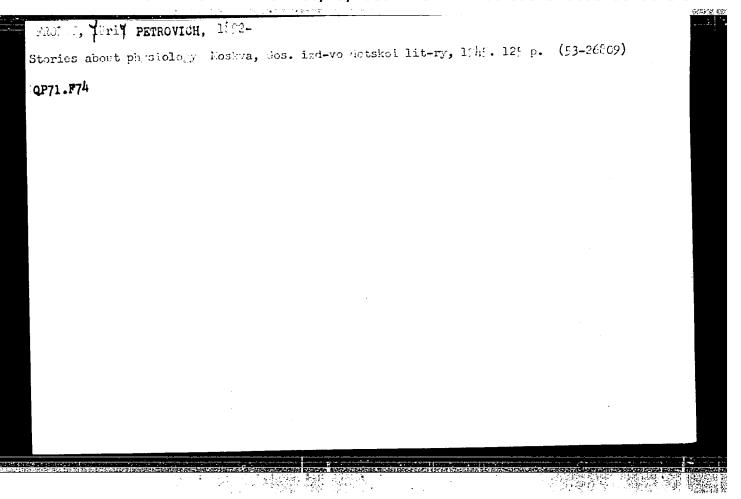


FROICN, Yu.P., prof.zasluzhennyy deyatel' nauki

Behavior of fishes as determined by the function of their sense organs under different ecological conditions. Trud sov.Ikht.kom. no.6:15-22

(MIRA 11:11)

(Sense organs--Fishes) (Fishes--Habits and behavior)



FROLOV, Yu. P. Honored Worker of Science

"The Great Russian Doctors and Teachers - Pirogov, Sechenov, Mechnikov, Lesgaft, and Pavlov," Nauka i Zhizn', No.5, 1948

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810013-9"

THE RESERVE TO SERVE AND THE PROPERTY OF THE P

FROLOV, Yu. P.

USSR/Medicine - Nervous System

Medicine - Physiology

Aug 48

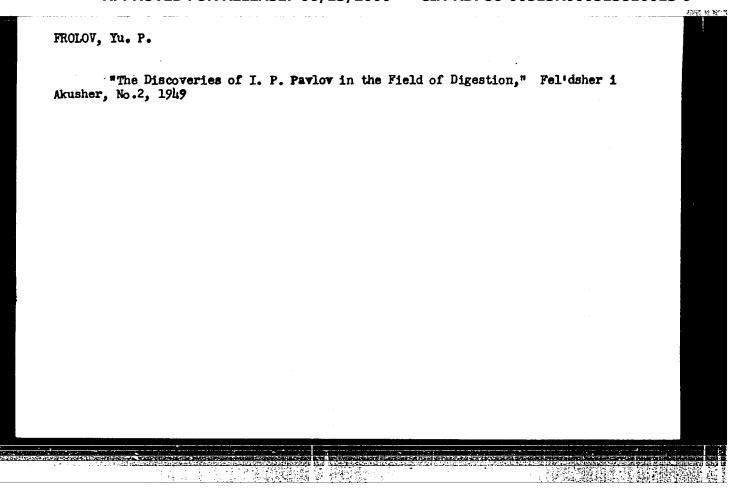
"Comparative Physiology of the Higher Nervous Activity and Darwinism," Yu. P. Frolov, Hon Mem Sci, Sep

Nauka i Zhizn' No 8

Discusses comparative anatomy of the brain in ontophylogenesis, three basic principles of Darwinism and comparative physiology of the upper nervous system, history of studies on instinct and reflex, criticism of so-called zoopsychology, Pavlov and comtemporary knowledge of conditioned and unconditioned reflexes as a basis for studying the evolution of behavior, complex behavior forms from the standpoint of Pavlov's studies of the upper nervous system, and continuation of Pavlov's studies and consummation of Darwinism in one of its most important branches.

38/49 T96

S0: Krizhnaya Letopis' No 6, 1955



FROLOV, Yu. P.

"A General Study of the Reflexes of the Nervous System," Fel'dsher i
Akusher, No.3, 1949

FROLOF, Yu. F.

"The Importance of Pavlov's Tests on Conditioned Salivary Reflexes in Establishing the Laws on Cerebral Function," Fel'dsher i Akusher, No.4, 1949

FROLOV, YU. P. 30501

Osnovnyye voprosy evolyutsionnoy fiziologii vysshchyey nyervnoy dyeyatyel'nosti. Byullyetyen' Mosk. o-va. Ispytatyelyey prirody, Otd. Bol., 1949, vyp. 5, S. 147-61, s portr.

SO: Letopis' No. 34

FROLOV, Yu, P.

30500

O nyekotorykh zakonomyernostyakh vtordy signal'nox sistyemy v istoriko-kulturnom osvyeshchyenii. Byallyetyen. Mosk. o-va. I spytatyelyey prirody. Otd. Biol., 1949, Vyp. 5, S. 162-71, s. portr.

SO: Letopis' No. 34

PROLOV, Ya. F.

21997 FROLOV, Ya. P. Ivan Petrovich Pavlov. K 100- letiyu sc dnya Rozhdeniya.

Nauka i zhizn', 1949, No. 6, s. 32-38, s. fortr.

S0: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810013-9"

FROIOV, YU.F.

25986

Snovid, veniya, rasstro, vstva sna, profilaktika i lyechyeniye. (k-100-lyetiyu so dnya rozhdyeniya I.P. Pavlova). Fyel'dshyer i akushyerka, 1949, No. 7, c. 26-30, c Portr.

So: Letopis' No. 34

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810013-9"

FRCLOV, Yu. P.,

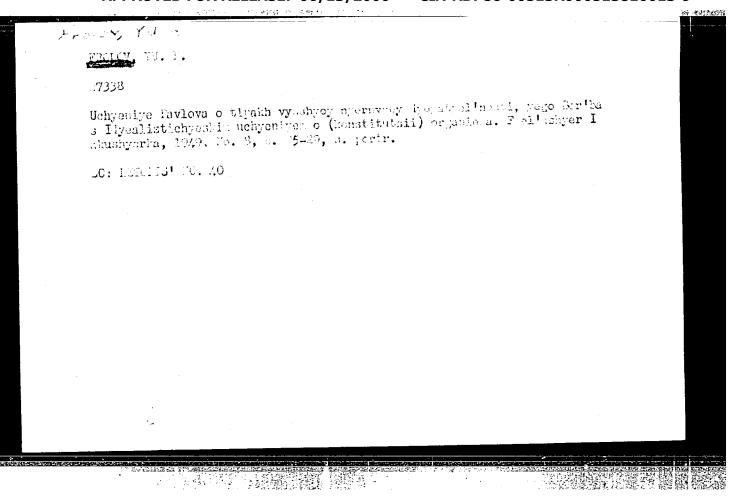
23579

PAMYRTI NIKOLAYR ALEKSANDROVICHR SEMASHKO. 1874--1949. SOB. PEDAGOGIKA, 1949, No. 7, C. 110-13, S. PORTR.

SO: LETOPIS' NO. 31, 1949.

"APPROVED FOR RELEASE: 06/13/2000 CIA-R

CIA-RDP86-00513R000513810013-9



FROLOV, YU. P.
30519
Staryeyshina fiziologov mira. Slavyanye, 1949, No 9, S. 50-52
S0: Letopis' No. 34

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810013-9"

. 一次工作学院制制服务面

FROLOV, YU. PUTI.

27339: FROLOV, YU. PUTI.-Sovetskoy fiziologii. K 100-letiyu so dnya rozhdeniya

I.P. pavlova novyy mir, 1949, No. 9, s. 210-17.

30: Letopis'Zhurnal'nykh Statey, Vol. 47, 1948.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810013-9"

FROLOV, YU. P.

30518

I. P. Pavlov I tyeoriya sovyetskogo fizichyeskogo vospitaniya.
Tyeoriya I pratika fiz. kul'tury, 1949, 1949, vyp. 9, s. 644-51,
s portr.

S0: Lætopis' No. 34

30939. FROLOV, YU.

Velikiy Uchenyy-Patriot. Smena, 1949, No. 18 s 2-3.

MEN'CHUKOV, Aleksandr Yevgen'yevich, inzh.; OVSEYENKU, Vladimir
Vladimirovich, inzh.; FUTNIK, Nikolay Petrovich, inzh.;
ANASTASITEV, P.I., red.; FROLOV, Tu.A., red.; LARIONGV,
G.Ye., tekhn. red.

[Preliminary planning of electric power transmission-line
routes] Predvaritel'nye izyskaniia trass linii elektroperedachi. Moskva, Gosenergoizdat, 1963. 222 p.

(MIRA 16:11)

(Electric lines--Overhead)

Series based on solutions of differential equations. Trudy
MEI no.42:165-186 62. (MIRA 16:7)

(Series) (Differential equations)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810013-9"

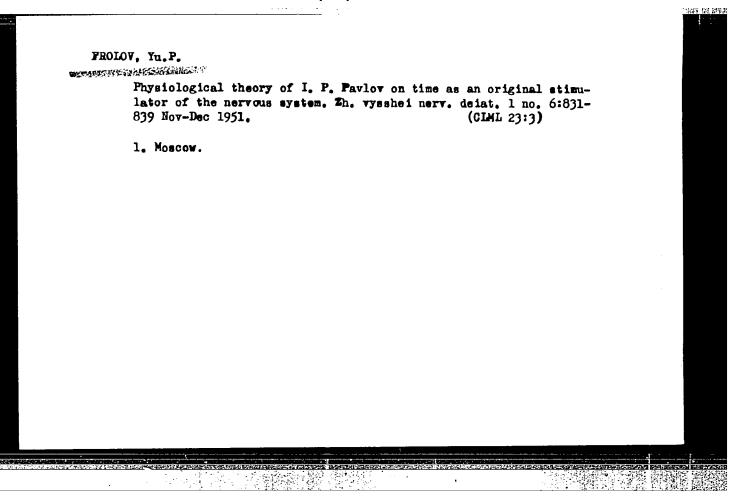
FROLOV Yu. P.

5134. FROLOV Iu. P. Fundamental problems of developmental physiology of higher nervous activity (historical) Bulletin of the Moscow Naturalist Society 1949, 54/5 (147-161) Illus. 5

A polemical plea for the materialist trend in physiology in connection with the investigation of cerebral function, as exemplified by the study of conditioned reflexes.

Ten Cate - Amsterdam

SO: Excerpta Medica, Section 11 Volume 111 No. 9



FROLOV. Turil Petrovich, 1892-, professor, zasluzhennyy deyatel' nauk RSFNR.

[Hygiene and organization of brainwork in the light of I.P.Pavlov's physiological theories] Gigiena i organizatsia umstvennogo truda v svete fiziologicheskogo ucheniia I.P.Pavlova. Monkva, Znanie, 1952. 39 p.

(MERA 6:7)

(Nerrous system) (Occupations--Diseases and hygiene)

FROLOV, YUriy Fetrovich, 1892
From instinct to reason; sketch in the science of behavior. Moskva, Voen, izd-vo, 1952. 115 p. (Nauchno-populiarnaia biblioteka soldata) (53-38568)

QP359.F8 1952

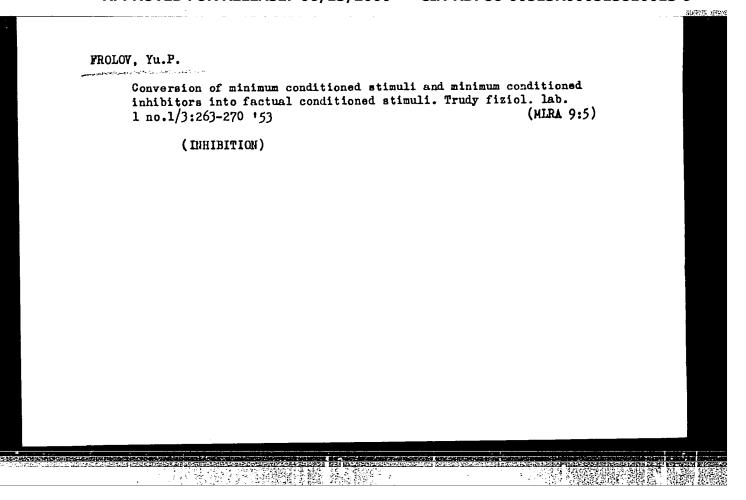
MH NNC

FROLOV, Yu. P.

"Pathogenesis of Bronchial Astimas," Pediatriya, No.2, 1952

FROLOV, Murii Petrovich, 1892- .

[Ivan Petrovich Pavlov; reminiscences] Ivan Petrovich Pavlov; vospominania. Izd.2., dop. Moskva, 1953. 286 p. (MLRA 7:3) (Pavlov, Ivan Petrovich, 1849-1936)



FROLCY, FPOF. Yu.

Pavlov, Ivan Petrovich, 1849 1936

I. P. Pavlov's teachings are the pride of Russian science. Klub 2 no. 2, 1953

9. Monthly List of Russian Accessions, Library of Congress, May 1953, Uncl.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810013-9"

FROIDV, Yu.P., professor, zaelushennyy deyatel' nauki.

Hygiene in intellectual work. Hauka i shizn' 20 no.5:31-32 My '53.

(MERA 6:6)

(Mental physiology and hygiene)

FROLOV, Yu.P., professor (Moscow).

Review of the book "Selected works of I.M. Sechenov, I.P. Pavlov, N.E.

Vvedenskii 'Physiology of the Nervous System'." Klin.med. 31 no.3:9496 Mr 153.

(MLRA 6:5)

96 Mr '53. (MLRA 6:5) (Nervous system) (Sechenov, Ivan Mikhailovich, 1829-1905) (Pavlov, Ivan Petrovich, 1849-1936) (Vvedenskii, Nikolai Evgen'evich, 1852-1922)

FROICY, Yu.P. [author]; SMiRNOY, S.N. [reviewer].

Review of IU.P.Frolov's book "Sensory Organs," chapter 5, "Organ of sight and visual estimation." Reviewed by S.N.Smirnov. Vest.oft. 32 no. 3:46-17 My-Je '53.

(Kyes) (Sight) (Frolov, IUrii Petrovich, 1892-)

2024. Frolov. Yu. P.

OT Instinkta Do Razuma. (Ocherk Nauki O Pouedenii). Tallin, Estgosiz-Dat, 1954. 106 s.s Ill. 205m. (Nauch.-Popul. Seriya). 7.000 Ekz. IR. 70K. -- Na Eston. YaZ. -- (54-55682) 612.821

"APPROVED FOR RELEASE: 06/13/2000 CIA-RD

CIA-RDP86-00513R000513810013-9

GOLODFTS,G.G.; PUGHKOV,N.V., professor, redaktor; KHLATINA,Ye.S., redaktor;

FROLOV,Tu.P., professor, retsenzent; VIKTOROV,K.P., professor, retsenzent; "MEDYEGHVA,L.A., tekhnicheskiy redaktor

[Laboratory manual on the physiology of fish] Laboratornyi praktikum
po fiziologii ryb. Moskva, Pishchaprom-izdat, 1955. 89 p.

(Fishes--Laboratory manuals)

(MIRA 9:3)

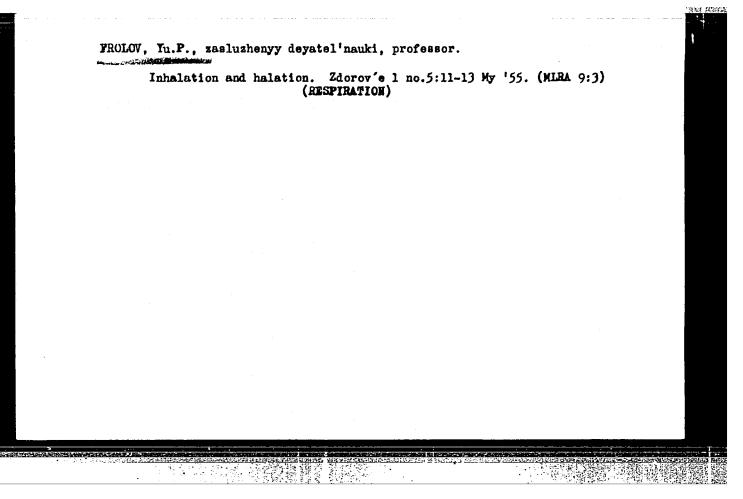
FROLOW, Yuriy Petrevich, 1892
[Physielegy in the service of health; a scientific-popular sketch]

Finielegiia na slunkhe zderev'ia. Meskva, Medgin, 1955. 227 p.

(PHYSIOLOGY)

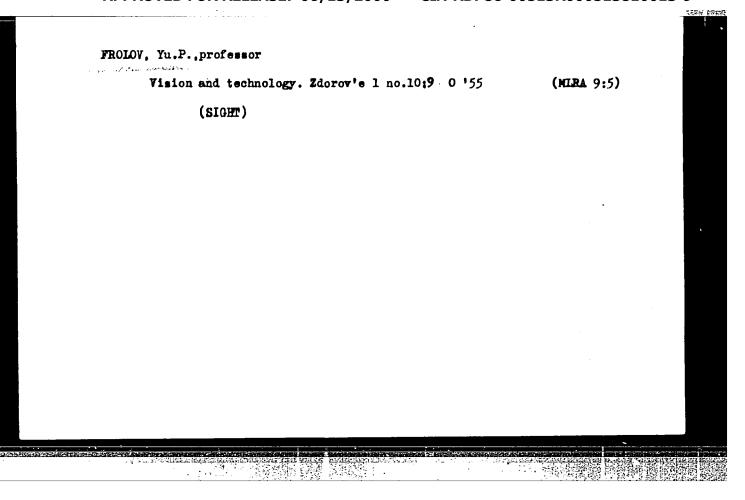
(MIRA 9:4)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810013-9"



FROLOV, Yu.P.,zasluzhennyy deyatel nauki, professor
Thirst. Edorov'e 1 no.7:1-3 J1 '55 (MIRA 9:5)

(THIRST)



I.M. Sechenov, great Russian physiologist. Voen.-med.zhur.
no.12:75-77 D'55
(SECHENOV, IVAN MIKHAILOVICH, 1829-1905)

YROLOV, Yu.P., professor, zasluzhennyy deyateli nauki. The great physiologist. Zdorov'e 2 no.2:7-8 F 156 (MIRA 9:5) (PAVLOV, IVAN PETROVICH, 1849-1936)

Review of the collection "Problems of comparative physiology and pathology of the higher nervous activity." Fiziol.zhur. 42 no.12; 1081-1083 D '56. (NIRA 10:2) (NERVOUS SYSTEM)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810013-9"

FROLOV, YU. P.

Mozg Cheloveka i kibernetika /The Human Brain and Cybernetics/, Goskul'Torosvetizdat /State Publishing House for Cultural and Educational Literature/, Moscow, 1957, 40 pages.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810013-9"

markeanum minerikan mengan mengan perbahanan dan sebesah sebes

FROLOW. Yuriv Petrovich. Zagluzhennyy deyatel' nauki RSFSR, orofessor;
KELER, V.R., nauchnyy redektor; BREZANOVSKAYA, L.Ya., redektor;
YELAGIN, A.S., tekhnicheskiy redektor

[The human brain and cybernetics] Mozg cheloveka i kibernetika.
Moskva, Gos. izd-vo kul'turno-prosv. lit-ry, 1957. 38 p. (Bibliotechka
v oomoshch' lektoru, no.6) (MIRA 10:9)

(CYBERNETICS)

PROLOV, Yu.P., professor, zasluzhennyy deyatel' nauki.

Nerve discovered by Pavlov. Zdorov'e 3 no.4:9-10 Ap '57
(HEART-INNERVATION)

(HEART-INNERVATION)

3-6-27/29

AUTHOR:

Frolov, Yu. P., Professor, Doctor of Biological Sciences

TITLE:

A Book Dedicated to the Most Important Discoveries in Physiology (Kniga, posvyashchennaya glavneyshim otkrytiyam fiziologii)

PERIODICAL:

Vestnik Vysshey Shkoly, 1957, # 6, pp 92-95 (USSR)

ABSTRACT:

The book is a critical review of the "Physiology of Man and Animal" written by K.P.Golysheva and S.I. Gal'perin and approved by the USSR Ministry of Higher Education as a manual for state universities and pedagogical institutes. The book is half the size as the textbook edited by K.M. Bykov but by its size and contents it satisfies the requirements of a manual. He quotes in this connection the renowned Russian scientist I.P. Pavlov. Attention is called to the absence of references to the success of modern electronics, applied in physiology for the oscillographic recording of functions of the organism. In the author's opinion the book, when discussing the process of evolution, should also indicate the reverse process - the degradation of some instincts, the loss of the character of absoluteness by them.

Card 1/2

3-6-27/29

· Pook Dedicated to the Most Important Discoveries in Physiology

The author calls attention to several other deficiencies of the book, for instance, that the writers point to the thirst center in the nerve system but omit to mention that this center has its highest conditionally reflecting part in the cerebral cortex which sometimes makes the feeling of thirst very illusory. Further, the time when the first conditioned reflex arises in a newborn is given as 1.5 to 2.5 months; however, according to recent experiments of I. A. Bronstein these reflexes arise already in the course of the first day of a newborn. The book will, undoubtedly, be favorably greeted by the Vuz instructors. There are two Russian references.

ASSOCIATION: The thirty of Public apply AN USSR (Institut filosofii AN SSSR)

AVAILABLE: Library of Congress

Card 2/2

FROLOV, Yuriy Petrovich, prof., zasluzhennyy deyatel nauki RSFSR;

GAL'PERIN, S.I., red.; LANDAU-TYLKINA, S.P., red.; GABERLAND,
M.I., tekhn.red.

[Brain and work; I.P.Pavlov's teaching and problems in scientific organization of work] Mozg i trud; uchenie I.P.Pavlova i voprosy nauchnoi organizatsii truda. Moskva, Gos.izd-vo med.lit-ry, Medgiz, 1960. 181 p. (MIRA 14:1)

(WORK, METHOD OF) (BRAIN)

PHASE I BOOK EXPLOITATION

sov/5045

Frolov, Yuriy Petrovich, Professor, Honored Scientist RSFSR

Mozg i trud; ucheniye I. P. Pavlova i voprosy nauchnoy organizatsii truda (Brain and Work; Teachings of I. P. Pavlov and Problems in the Scientific Organization of Work) Moscow, Medgiz, 1960. 184 p. 25,000 copies printed. (Series: Nauchno-populyarnaya meditsinskaya literatura)

Eds.: S. I. Gal'perin and S. P. Landau-Tylkina; Tech. Ed.: M. I. Gaberland.

PURPOSE: This book is intended for the general reader.

COVERAGE: The author discusses the role of the human nervous system in physical and intellectual work, and the interconnection between both forms of work, in the light of the teachings of I. P. Pavlov on higher nervous activity. Distinctive creative manifestations of the

Card 1/6

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810013-9"

Brain and Work (Cont.)

SOV/5045

建设的基础主义和制度

human brain under conditions of modern material progress are considered. Some practical conclusions on the organization of efficient and hygienic work are given. The subject matter is based on Pavlov's conception of two signaling systems of reality in the human brain, and embraces chiefly the major types of intellectual work, with its physiology, organization, and hygiene. The author claims that his book partly solves the problem of interrelation between development of the brain and work. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

Foreword	3
Ch. I. Organism and Environment Organs of sense, and execution of work Adaptation of man to environment; environmental changes during performance of work Pavlov's physiology on problems in the study of work and "mental hygiene"	5 5 12 16
Card= 2/6 -	

中华的 獨語 海中市

SHIROKIY, V.F., otv.red.; ANOKHIN, P.K., red. (Moskva); DVOYNINA, A.P., red.; LABUTIN, I.I., red.; LINNIKOV, G.S., red.; ROBINSON, V.Ye., red.; SAKHAROVA, O.S., red.; FROLOV, Yu.P., red. (Moskva)

[Abstracts of reports of the Scientific Conference in Honor of the 110th Anniversary of Ivan Petrovich Pavlov's Birth, 1959] Texisy dokladov Nauchnoi konferentsii, posviashchennoi 110-i godovshchine so dnia rozhdeniia Ivana Petrovicha Pavlova. Riazan', 1959. 224 p. (MIRA 14:2)

1. Nauchnaya konferentsiya, posvyashchennaya 110-y godovahchine so dnya rozhdeniya Ivana Petrovicha Pavlova, 1959. 2. Kafedra fiziologii Ryazanskogo meditsinskogo instituta imeni akademika I.P.Pavlova (for Shirokiy). 3. Kafedra normal'noy fiziologii Ryazanskogo meditsinskogo instituta imeni akademika I.P.Pavlova (for Dvoynina). 4. Kafedra fiziologii zhivotnykh Ryazanskogo sel'skokhozyaystvennogo instituta imeni P.A.Kostycheva (for Labutin). 5. Dom-muzey akademika I.P.Pavlova, Ryazan' (for Linnikov). 6. Kafedra anatomii i fiziologii Ryazanskogo pedagogicheskogo instituta (for Robinson). 7. Kafedra normal'noy fiziologii Ryazanskogo meditsinskogo instituta imeni akademika I.P.Pavlova (for Sakharova). (MERVOUS SYSTEM)

FROLOV, Yu.P., prof., zasluzhonnyy deyatel' nauki RSFSR (Moskva)

Teachings of Pavlov serve the people. Nauka i zhyttia 10 no. 11:38-41 N '60.

(Conditioned response) (Pavlov, Ivan Petrovich, 1849-1936)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810013-9"

FROLOV, YU. P. (Doctor of Medical Sciences)

"The Dialectics of Living Nature and Modern Cybernetics."

Filosofskiye voprosy kibernetiki (Philosophical Problems of Cybernetics), Publishing House of SociomEconomic Literature, Moscow, 1961 392 p.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810013-9"

FROLOV, Yu.P., prof. (Moskva)

"V.I. Vernadskii" by Lev Gumilevskii. Reviewed by IU.P. Frolov. Priroda 51 no.8:47 Ag *62. (MIRA 15:9)

(Vernadskii, Vladimir Ivanovich, 1863-1945)

(Gumilevskii, Lev)

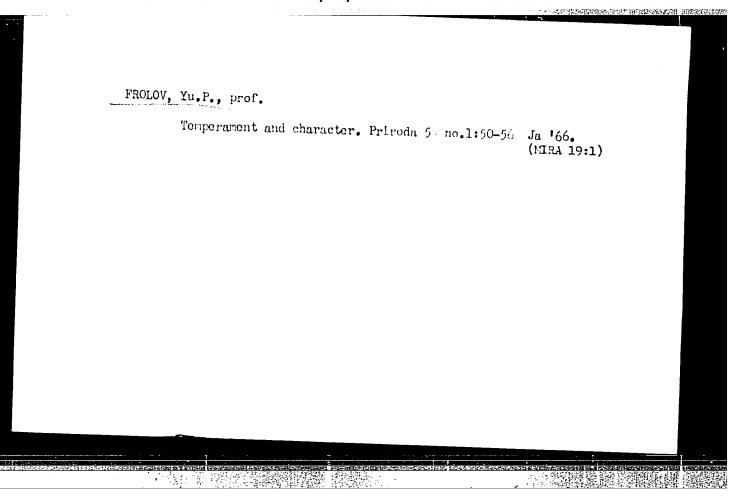
APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810013-9"

FROLOV, Yu.P., prof. "Dead point" and "second breath." Priroda 52 no.3:36-39 163. (MIRA 16:4) (RESPIRATION) ŧ,

FROLOV, Yu.P., prof., zasluzhennyy deyatel' nauki RSFSR (Moskva)

Heroism of a scientist; in memory of Norbert Wiener . Priroda
53 no.7:95-98 '64. (MIRA 17:7)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810013-9"



FROLOV, YU.S

21(5) 1.7,

PHASE I BOOK EXPLOITATION

SOV/1297

- Vsesoyuznaya nauchno-tekhnicheskaya konferentsiya po primeneniyu radioaktivnykh i stabil'nykh izotopov i izlucheniy v narodnom khozyaystve i nauke, Moscow, 1957
- Polucheniye izotopov. Moshchnyye gamma-ustanovki. Radiometriya i dozimetriya; trudy konferentsii... (Isotope Production. High-energy Gamma-Radiation Facilities. Radiometry and Dosimetry; Transactions of the All-Union Conference on the Use of Radioactive and Stable Isotopes and Radiation in the National Economy and Science) Moscow, Izd-vo AN SSSR, 1958. 293 p. 5.000 copies printed.
- Sponsoring Agency: Akademiya nauk SSSR; Glavnoye upravleniye po ispol'zovaniyu atomnoy energii SSSR.
- Editorial Board: Frolov, Yu.S. (Resp. Ed.), Zhavoronkov, N.M. (Deputy Resp. Ed.), Aglintsev, K.K., Alekseyev, B.A., Bochkarev, V.V., Leshchinskiy, N.I., Malkov, T.P., Sinitsyn, V.I., and Popova, G.L. (Secretary); Tech. Ed.: Novichkov, N.D.

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Isotope Production (Cont.)

SOV/1297

PURPOSE: This collection is published for scientists, technologists, persons engaged in medicine or medical research, and others concerned with the production and/or use of radioactive and stable

COVERAGE: Thirty-eight reports are included in this collection under three main subject divisions: 1) production of isotopes 2) high-energy gamma-radiation facilities, and 3) radiometry and dosimetry.

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Breger, A. Kh., V.A. Belynskiy, V.L. Karpov, S.D. Prokudin and V.B. Osipov. Facility for Radiation-Chemical Research Employing Co^{OO} Gamma-Radiation Source With an Activity of 21,000 g-ev of Radium

21,000 g-ev of Radium

A K-20000 Co⁰⁰ gamma-radiation source, cited as the most powerful in the world according to available data, is described and basic parameters tabulated. The unit is provided with a control panel and a system of periodic observation and is capable of 1200 r/sec dosage per 0.4 liters and~100 r/sec per 100 liters volume. Working chamber capacity is~300 liters. The source, comprising 56 standard Co⁰⁰ preparations, the authors state, is safe for attending personnel owing to a "dry" method especially developed for this unit.

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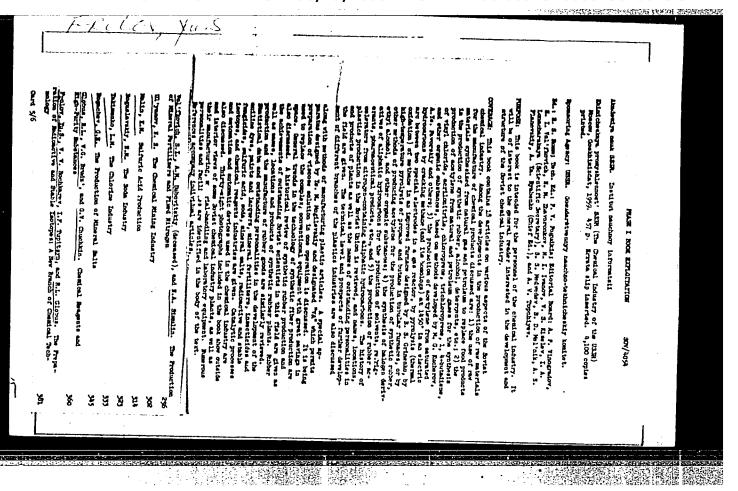
Studying the distortions of equal-area modified cylindrical projections. Vest.IGU 16 no.12:148-157 '61. (MIRA 14:6) (Map projection)

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Evaluating equal-area projections on the basis of mean square distortion in direction. Vest. LEU 16 no. 6:46-63 '61. (MIRA 14:4)

(Map projection)

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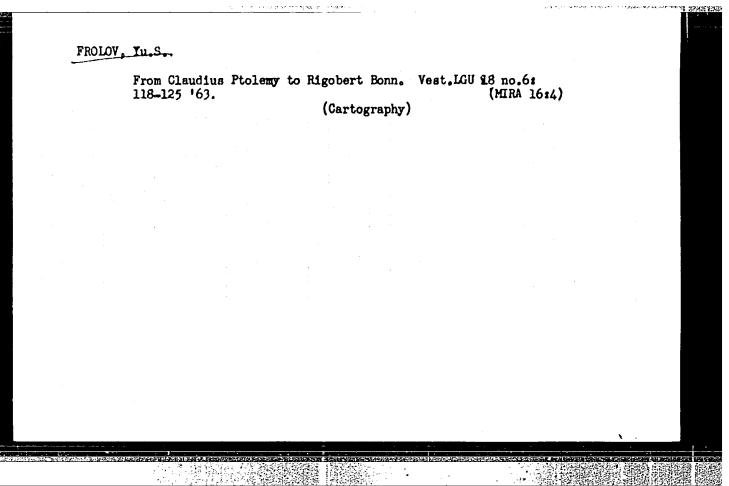


SMIRNOV, L.Ye.; FROLOV, Yu.S.

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'62.

(Photography, Aerial)

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RODNYANSKAYA, E.I.; FROLOV, Yu.S.

Contribution of young geographers to science. Vest. LGU 13 no.12:
143-144 '63. (MIRA 16:8)

(Geography)

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Automation of calculating operations in determining the reserves of mineral raw materials. Razved. i okh. nedr 29 no.9:5-10 S (MIRA 16:10)

FROLOV, Yu.S., kand. geograf. nauk

Comparative evaluation of cartographic projections. Izv. vys. ucheb.
zav.; geod. i acrof. no.5:9%-103 '64. (MIRA 18:5)

1. Leningradskiy gosudarstvennyy universitet. Rekomendovana
kafedroy kartografii.

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L 25671-65 EWT(1) ACCESSION NR: AP5001042

\$/0307/64/000/003/0120/0125

AUTHOR: Frolov, Yu. S.

Analytical formulas for determining the reduced values of geodetic lengths TITLE:

SOURCE: Leningrad. Universitet. Vestnik. Seriya geologii i geografii, no. 3, 1964, 120-125

TOPIC TAGS: cartography, cartometry, geodesy, reduced length

ABSTRACT: The method of determining the length of curved lines on a map by measuring them with two compasses with spans of different length, in spite of its clumsiness and poor accuracy, has been widely used in the production of cartometric works of considerable volume. Attempts to resolve this problem have led to the proposal of a number of empirical formulas for mathematical determination of the reduced length. The author considers that A. K. Malovichko's formula is not sufficiently accurate (in the junction of two semicircles alone it produces an error of 600) and advises that N. M. Volkov's formula has a better claim to universality. He criticizes all proposals for empirical formulas of this nature for trying to over-simplify the calculations, as this gains very little time and leads to the introduction of serious random errors. He proposes two modified formulas for solution of the problem, and also suggests that some of the functions can be

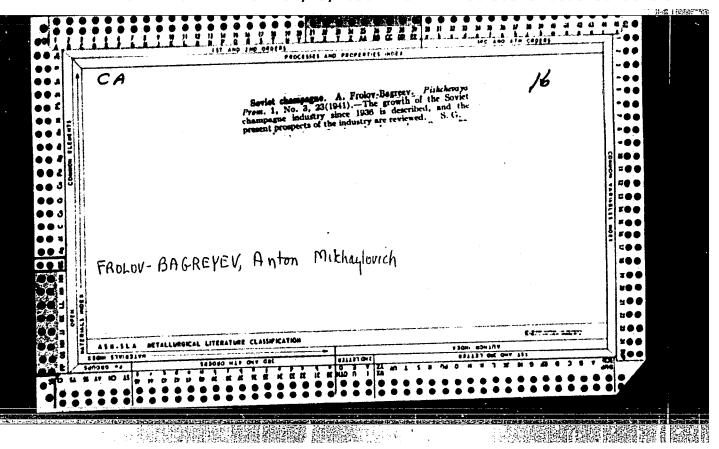
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handled better if written in the form of a nomogram. Orig. art. has: 2 figures, 3 tables and 18 formulas.

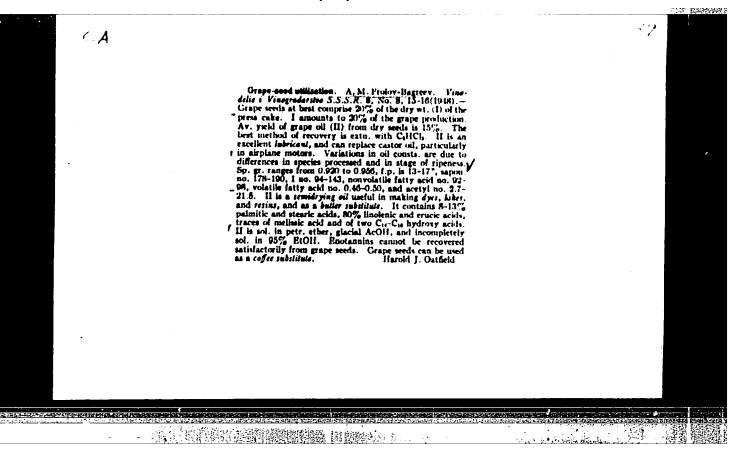
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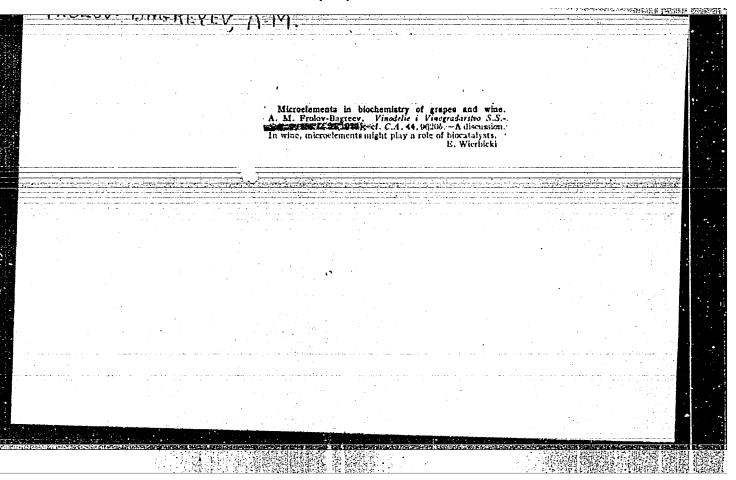
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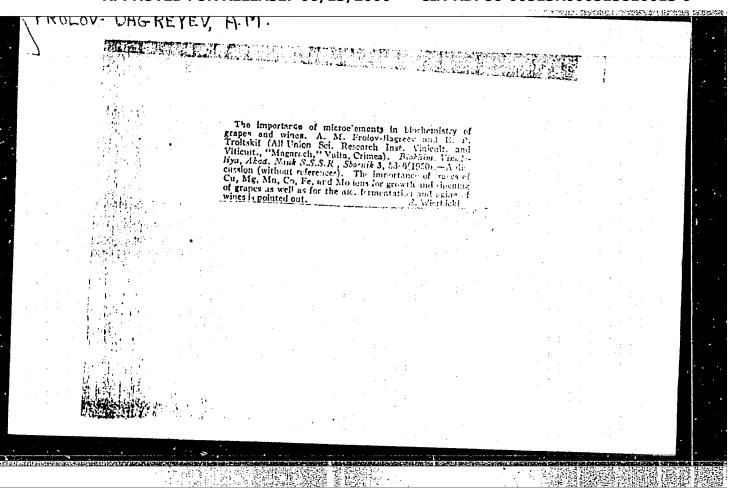
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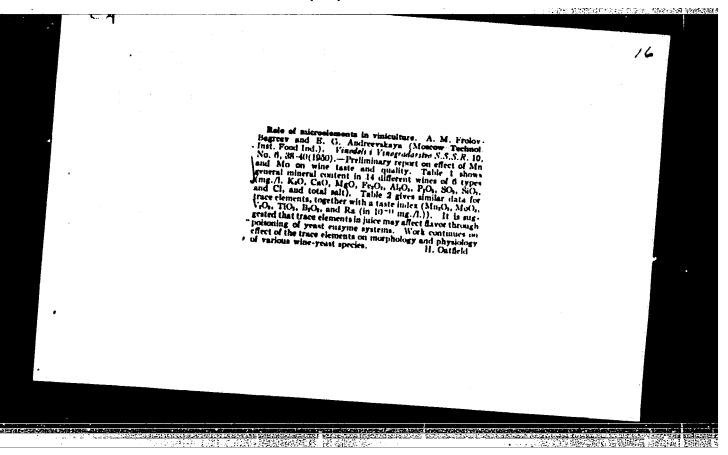


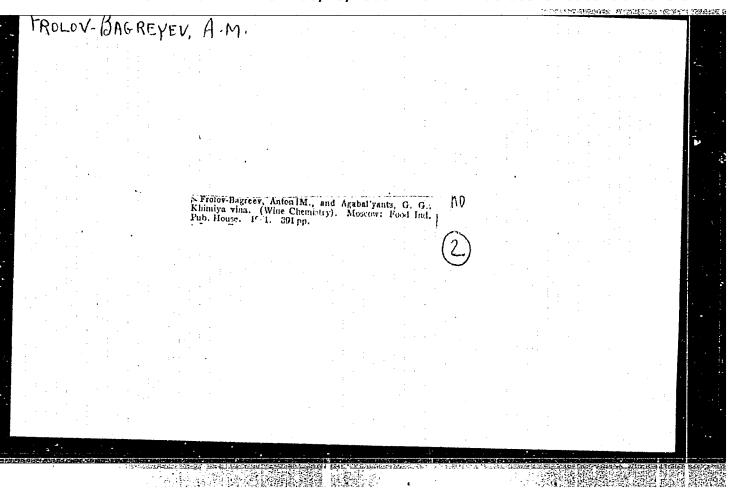
West icolated from the Sherry Film," A. M. Frolov- Regleyev, H. F. Edyenko, Moscov Central Scientific Research Laboratory of Viniculture, 4 pp "Mikrobiologiya" Vol XIV, No 5 Spanish sherry film (solers) is a complex of Sacharcuyoctes, a part of which possesses a strong framenting ability and forms the film after ferment but possesses etherizing peculiarities in the acrobic phase. When formentation of vince with pure cultures isolated from solera takes place, the pure cultures isolated from solera takes place, the pure cultures isolated from solera takes place, the formed films accumulate acetaldehyde which, although siving a sherry taste, does not show typical taste harmony and bouquet of sherry. Experiments and comparison with other sherry yeasts are described. **A *** **LD** **A **** **A *** **A ** **A **

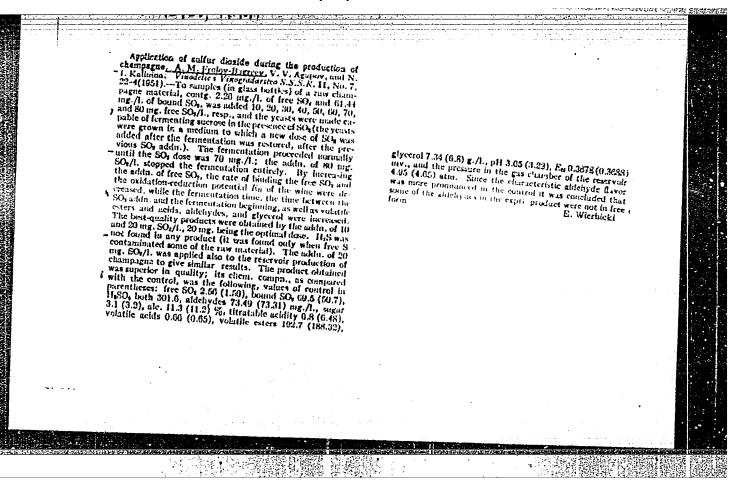










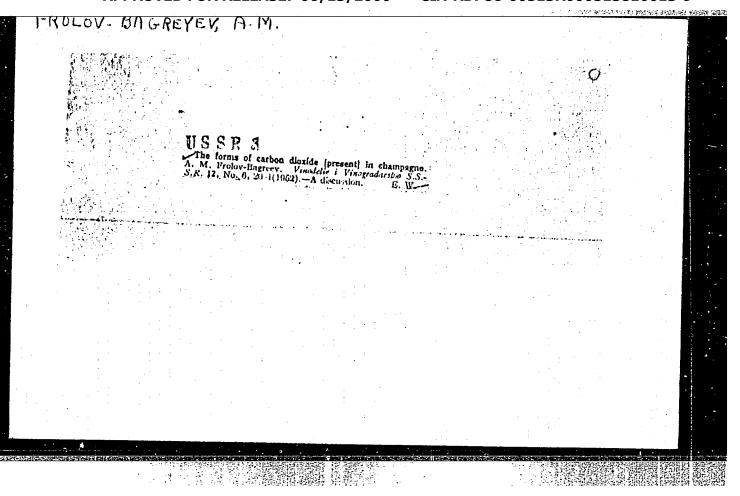


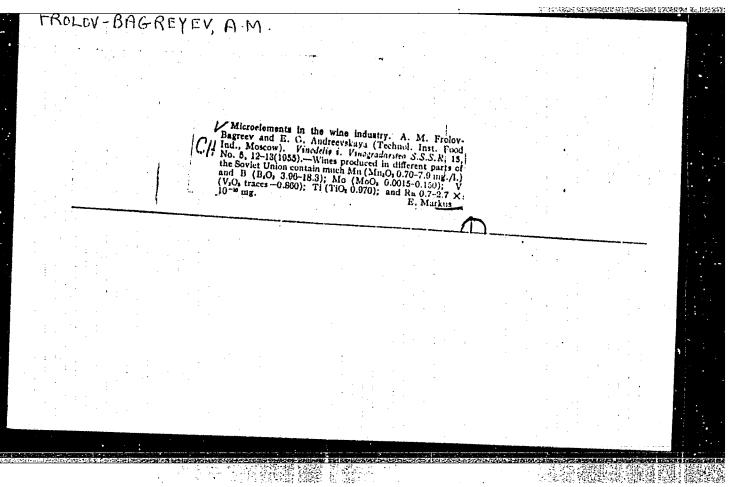
FROLOV-BAGREYEV, A.M., professor, doktor sel'skokhozyastvennykh nauk; GERASIMOV, M.A., professor, doktor sel'skokhozyaystvennykh nauk.

Principal problems in improving the quality of wine. Trudy MTIPP 2:91-96 '52. (MIRA 9:2)

1.Zasluzhennyy deyatel nauki i tekhniki RSFSR. (Wine and wine making)

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PROLOV-HAGREYRY, A.M., professor, otvetstvennyy redaktor; NEGRUL!, A.M., professor, zamestitel otvetstvennogo redaktora; BLAGONRAVOV, P.P., kandidat sel skokhozyaystvennykh nauk, zamestitel otvetstvennogo redaktora; GERASIMOV, M.A., professor, redaktor; YEGOROV, V.I., redaktor; KARTAVCHENKO, P.K., kandidat sel skokhozyaystvennykh nauk, redaktor; POTAPENKO, Ya.I., kandidat sel skokhozyaystvennykh nauk, redaktor; PROSTOSERDOV, N.N. professor, redaktor; TABIDZE, D.I., doktor selskokhozyaystvennykh nauk, redaktor; KHARITONOV, A.F., redaktor; KRUGLOVA, G.I., redaktor; KISINA, Ye.I., tekhnicheskiy redaktor.

[Ampelography of the U.S.S.R.] Ampelografiia SSSR. Red.kollegiia; A.M. Frolov-Bagresv i dr. Moskva, Gos. nauchno-tekhn. izd-vo M-va promyshl. prodovol stvennykh tovarov SSSR. Vol. 6. 1956. 432 p.

l.Moscow. Vsesdyuznyy nauchno-issledovateľskiy institut vinodeliya i vinogradarstva "Magarach."

(Grapes--Varieties)

FROLOY-BAGHEYEY, Anton Mikhaylovich, prof., doktor sel'sko-khoz.nauk, saslu-shennyy deyatel' nauki i tekhniki RSFSR [deceased]; AGABAL'YANTS, G.G., prof., doktor sel'sko-khoz.nauk, spetsred.; ORESHKIN, N.V., inzh., spetsred.; MASLOVA, Ye.F., red.; KISINA, Ye.I., tekhn.red.

[Chemistry and technology of wine] Trudy po khimii i tekhnologii vina. Vol.1. [Soviet champagne. Technical control in making table wines] Sovetskoe shampanskoe; Tekhnicheskii kontrol' v vinodelii stolovykh vin. 1958. 354 p. (MIRA 12:3)

(Wine and wine making)

FROLOV-BACREYEV, A.M., prof., doktor sel'skokhoz.nauk; VECHER, A.S., prof., doktor biolog.nauk, spetsred.; BELIKOVA, L.S., red.; RESH, G.S., red.; GOTLIB, E.M., tekhn.red.

[Works in wine chemistry and production] Trudy po khimii i tekhnologii vina. Moskva, Pishchepromizdat. Vol.2. [Chemistry of grapes and products of their processing; selected articles] Khimiia vinograda i produktov ego pererabotki; izbrannye statii. 1959. 355 p.

(Wine and wine making) (Grapes)

TKUZOVA, A.A.

USSR/Cultivated Plants - Fruits, Berries

M-8

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 1752

Author

: A.A. Frolova

Inst

: Not Given

Title

: Problems of the Biology and Agrotechny of Gooseberries Under the Conditions Prevalent in the Zone of the Trans-Iliyskiy

Alatau Foothills.

Orig Pub : Tr. Alma-Atinsk, botan. sada AN DazSSR, 1956, 3, 81-91

Abstract : During the years 1952-1955 the botanical garden of Alma-Ata has studied the biology and agrotechnical methods of many varieties of gooseberry, among others: the Krasnyy Altay No 40-34-6, Krasnyy Krupnyy No 21-39-1, Michurinets, Mysovskiy No 37 and Khauton; in the botanical garden, these varieties developed well, bore fruit in plenty, were resistant to frost, and not affected by sphaerotheca, and are recommended for large cultivation and propagation under conditions prevalent in the zone of the Trans-Iliyskiy Alatau foothills. Tests have shown that gooseberries have to be watered 7 times during vegetation; the best fertilization for

Card

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